

DRAB, Zdenek, doc., inz., C.Sc.

Automation in the development of machinery production over a long period of time. Automatizac 5 no.1:1-4, Ja '62.

1. Pracovník Státní plánovací komise.

DRAB, Zd.

Basic aspects of the development of automation. Pracovní lek. 14 no.8:
361-363 0 '62.

1. Ceske vysoke uceni technike.
(AUTOMATION)

Z/039/62/023/004/001/010
D291/D303

AUTHOR: Dráb, Zdeněk, Doctor, Engineer, Candidate of Sciences

TITLE: Electronic control system

PERIODICAL: Slaboproudý obzor, v. 23, no. 4, 1962, 189-200

TEXT: The article gives a general survey of the development of various automatic control systems predominantly of Western origin and describes two Soviet-bloc control systems, namely type AUS produced by Tizpribor, USSR and type ERS produced by the ZPA - Závody průmyslové automatizace, n.p., (Industrial Automation Plant, National Enterprise), CSSR. The automatic control system produced by the Soviet Plant Tizpribor is reputedly the best building-bloc system heretofore produced. Its performance characteristics are given as follows: Name of system AUS; adapter input signal: pressure, electric current, voltage; adapter output signal 0.1 - 1.1 atm; regulator constants: proportional constant (P) 5 - 300%; integration time constant (T_i) 0 - 60 min; derivative time constant (T_d) 9 - 70 min; output signal: air pressure 0.2 - 1.1 atm, eventually DC of

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Electronic control system ...

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0.5 - 5 mA; recorders: pneumatic, electric, magneto-electric (width of recording 100 mm); data converter: electropneumatic and electrohydraulic; electric amplifiers and governors: eventually magnetic (30 - 100 VA); servomechanic drives: pneumatic, eventually electric with double-phase motors 5W (4 kgm), 50 W (60 kgm). The following are the performance characteristics of the Czechoslovak control system: Producer ZPA, name of system: ERS; adapter input signal: pressure, electric voltage (current); adapter output signal: 0 - 300 mV; constants of PID type regulator: $P = 2 - 200\%$, $T_i = 0.04 - 30 \text{ min}$; $T_d = 0.0.1 - 10 \text{ min}$; output signal: ✓

DC current 0 - 4 mA; recorders: development of electric recorders has not yet been completed, there is a possibility of connecting small-size pneumatic recorders; data converters: electro-pneumatic; electric amplifiers and governors: magnetic amplifiers (also with transistorized pre-amplifier for control of asynchronous triple-phase motors); servomechanic drives: a number of ZPA electric drives. Two other electronic regulators of Soviet manufacture [Abstracter's note: Producer not given] are the RB and RPB types. They are similar to the West German Schoppé & Faeser

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Electronic control system ...

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system. The author concludes the article by listing a number of application possibilities of representative electronic and combined control systems, and by pointing out the importance of designing and universal control system. There are 14 figures, 4 tables and 22 references, 13 Soviet-bloc and 9 non-Soviet-bloc. The reference to the English-language publication reads as follows: J.L. Gates: Electronic controllers. Instruments and Automation 1955, no. 8, pp 1338-1341.

ASSOCIATION: Státní plánovací komise, Praha (State Planning Commission, Prague)

SUBMITTED: January 10, 1962

Card 3/3

DRAB, Zdenek, doc., inz., C.Sc.

Discrete automation, regulation and control systems. Slaboproudy
obzor 23 no.8:429-447 Ag '62.

1. Statni planovaci komise, Praha.

DRAB, Zdenko, inz.

Criteria for evaluation of permissible faults in welded joints, especially in pressure vessels. Zvaranie 12 no.11: 313-316 N°63.

1. Ustav technickeho dozoru, Praha.

AP3001800

7-20-68 0330/0374

59

Leat. 3. (Engineer)

Structure welded 70190.5

Structure welded 70190.5

Structure welded 70190.5

Structure welded 70190.5

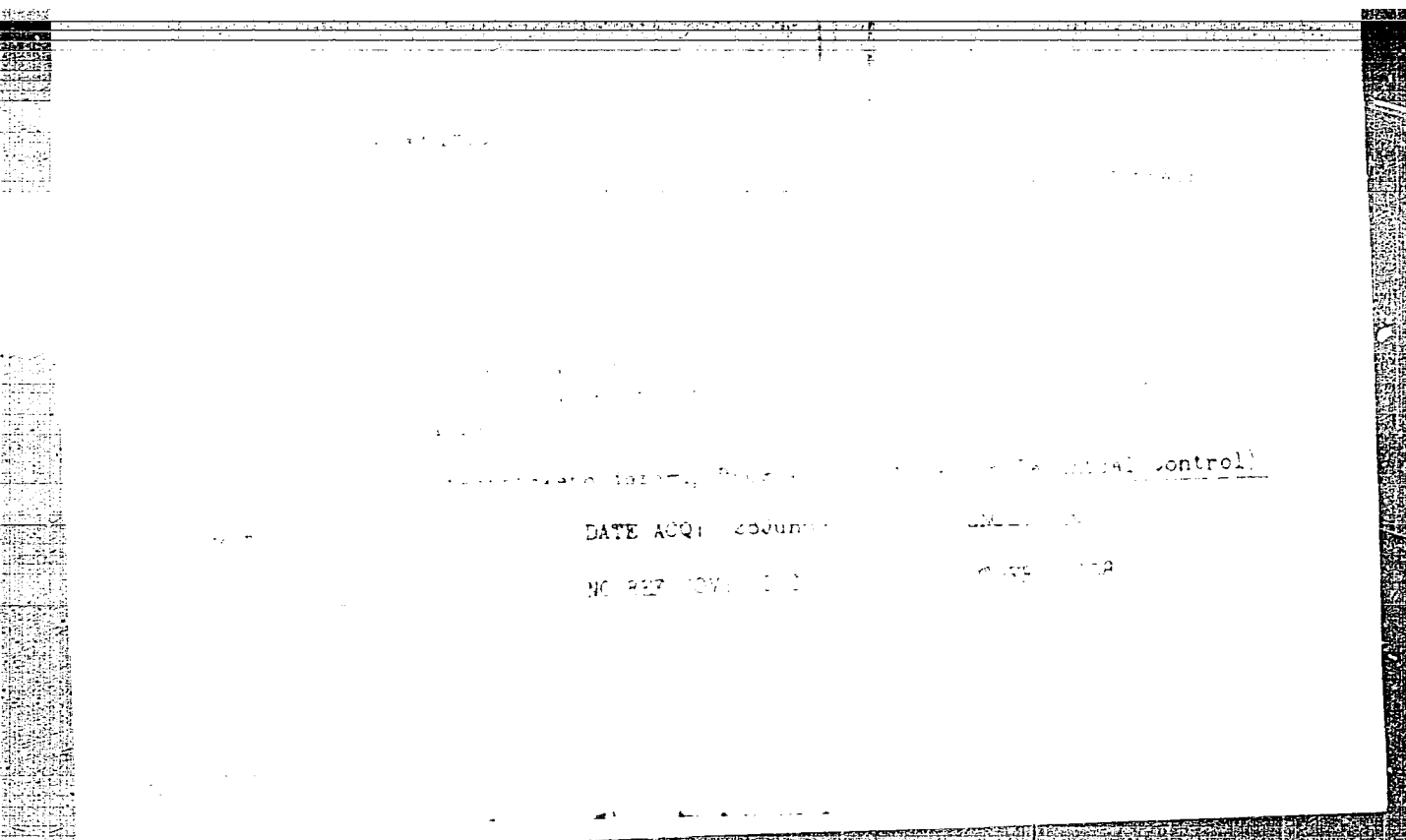
Structure welded 70190.5

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DRAB, Zdenek, doc., ins., SoC.

~~SECRET~~
For increasing role of science and technology, for highest
development of electronics in the Czechoslovak economic plan for
the years 1964-1970. Slaboproudý obzor 24 no.5:253-258 My '63.

1. Statni planovací komise, odbor vedy a techniky, Praha.

DRAB, Zdenek, doc., inz., CSc.

Contribution to the discussion of technical development.
Slaboproudý obzor 24 no.12:685-689 L'63.

1. Katedra automatizace a regulace, Ceske vysoke uceni technicke,
Praha.

L 17497-63

BDS

... ..

... .. questions of application

SOURCE: Elektrotechnicky obzor, v. 52, no. 5, 1963, 223-220

... .. computer, future automation development, computer, con-

... ..

... ..

DRAB, ZDENEK, doc. inz. CSc.

Present progress and prospects of the education of engineers
in the postgraduate automation courses. Automatizace 7 no. 6:
141-144 Je '64.

1. State Commission for Development and Coordination of
Science and Technology and Chair of Automation and Control,
Faculty of Mechanical Engineering, Czech Higher School of
Technology, Prague.

DRAB, Z.K., inz.; MAKOVICKY, V., inz.

From the activity of the 11th Commission of the International
Institute of Welding. Zvaranie 13 no. 7:208-209 J1 '64.

DRAB, Zdenek, doc. inz. CSc.

Basic problems of system engineering. Slaboproudy obsor
25 no. 7:377-382 J1 '64.

1. State Commission for Development and Coordination of
Science and Technology, Prague.

L 1716-66 ENP(1) JT

ACCESSION NR: AP5024079

CZ/0039/64/025/011/0625/0630

AUTHOR: Drab, Zdenek (Docent, Engineer, Candidate of sciences)

TITLE: Some problems of developing the use of mathematical machines in the Czechoslovak nation economy

SOURCE: Slaboproudý obzor, v. 25, no. 11, 1964, 625-630

TOPIC TAGS: computer, computer application, economic development

ABSTRACT: The article contains tables with data comparing the use of computers in Czechoslovakia with Western countries, and an analysis of the present situation concerning the use of electronic computers in Czechoslovakia. Also included is an outline of developing the use of computers until 1970 in various branches of the Czechoslovak economy, including industry, transportation, agriculture, and special fields. Orig. art. has: 1 graph and 6 tables.

ASSOCIATION: Statní komise pro rozvoj a koordinaci vědy a techniky, Prague
(State Commission for the Development and Coordination of Science and Technology)

Card 1/2

L 1716-66

ACCESSION NR: AP5024079

SUBMITTED: 28Jul64

ENCL: 00

SUB CODE: DP, GO

NR REF SOV: 000

OTHER: 000

JPRS

Card 2/2 *1 f*

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ACC NR: AP6032834 (A) SOURCE CODE: CZ/0078/66/000/007/0022/0022

INVENTOR: Drab, Zdenko (Engineer; Brno)

ORG: none

TITLE: Valve seals for internal combustion engines. CZ Pat. No. PV 2653-65

SOURCE: Vynalezky, no. 7, 1966, 22

TOPIC TAGS: internal combustion engine, engine valve, internal combustion engine component, VALVE

ABSTRACT: Seals for the slots in rotating slide valves of combustion engines are composed of plates placed in the groove of the valves along the circumference of the valve slot. Each sealing plate is made up of two equally long U-shaped strips with legs of unequal length. The plates are placed opposite each other and the gaps between the strips of the individual plates are staggered.

SUB CODE: 21/ SUBM DATE: 24Apr65

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ACC NR: AR6035065

SOURCE CODE: UR/0282/66/000/008/0003/0003

AUTHOR: Drab, Z.

TITLE: Materials and production technology of pressure vessels

SOURCE: Ref. zh. Khimicheskoye i kholodil'noye mashinostroyeniye, Abs.
8.47.16

REF SOURCE: KhISA. 2-y Mezhdunar. kongr. khim inzh. tekhn., khim. oborud.
i avtomat., Marianske Lazne, 1965 g. S. 1., 1965, Ye. 3.2

TOPIC TAGS: pressure vessel, pressure test

ABSTRACT: An analysis is made of various types of materials and technical
specifications for the production and testing of pressure vessels in the (ChSSR).
[Translation of abstract] [NT]

SUB CODE: 11/

Card 1/1

UDC: 66.02.002

~~SECRET~~
DRABAN, A.Z., inzhener; RUDENKO, P.M., inzhener; YAKOVENKO, O.I., inzhener.

"Keranzit" (porous clay filler) made of local raw materials of
the Ukrainian S.S.R. Nov. v stroi. tekhn. no.6:45-88 '55.
(MLRA 9:11)

1. Nauchno-issledovatel'skiy institut stroitel'nykh materialov
Akademii arkhitektury USSR.
(Ukraine--Clay)

DRABAN, A.Z.

DRABAN, A.Z., insh.

Methods of determining sensitivity to drying for various clays.
Nov. v stroi. tekhn., no.5:81-89 '54. (MIRA 10:11)

1. Nauchno-issledovatel'skiy institut stroitel'nykh materialov Akademii arkhitektury USSR.

(Clay—Testing)

DRABAN, A.Z., inzh.

Effect of fine crushed clay additives on structural, mechanical,
and drying properties of ceramic materials made with losses. Nov. v
proizv. stroi. mat. no.1:222-233 '59. (MIRA 12:12)
(Ceramics)

DRABAN, A.Z.

Using bentonite additives in the production loess building materials. Bent.gliny Ukr. no.3:131-141 '59.

(MIRA 12:12)

1. Institut stroitel'nykh materialov i izdeliy Akademii stroitel'stva i arkhitektury USSR.
(Loess) (Bentonite)

ZAYKA, I.N., kand.tekhn.nauk; DRABAN, A.Z., inzhener

Thermal properties of large blocks made of effective ceramic
stones. Stroimaterialy. 6 no.2:29-31 F '60. (MIRA 13:6)
(Building blocks) (Ceramic materials)

DRABAN, A. Z.

Cand Tech Sci - (diss) "Effect of fine-ground additions of clays on several physico-mechanical properties of ceramic masses and articles of loess." Kiev, 1961. 20 pp; (Kiev Construction Engineering Inst); 185 copies; price not given; (KL, 5-61 sup, 189)

ZAIIKA, I.N., kand.tekhn.nauk; DRABAN, A.Z., kand.tekhn.nauk;
GOLENKOVSKIY, M.A., inzh.

Large ceramic elements based on a thermal mortar. Stroi.
mat. 8 no.5:18 My '62. (MIRA 15:7)
(Brick walls) (Mortar)

ZAIIKA, Ili'ya Nikitovich; DRABAN, Anna Zinov'yevna; KRAVTSOV, Igor'
Aleksseyevich; MATAYCHUK, Mina Mikhaylovna; MATSAKOV, G.S.,
red.

[Accelerated drying of buildings under construction] Usko-
rennaia sushka stroitashchikhsia zdani. Kiev, Budivel'nyk,
1965. 21 p. (MIRA 18:7)

DRABAN, T.V.

OLNYBERMAN, S.Ye.; DRABAN, T.V.

Sudden death due to hemorrhagic necrosis of the pancreas. Sov.med.
21 Supplement:7 '57. (MIRA 11:2)

1. Is Znamenskoy zheleznodorozhnoy bol'nitsy Odesskoy zheleznoy
dorogi.

(HEMORRHAGE) (PANCREAS--DISEASES)

DRABANT, J.

Graphic determination of the position accuracy of points determined by two measured lengths. Sbor VST Kosice no.1: 127-132 '63.

1. Department of Mine Survey and Geophysics, Higher School of Technology, Kosice. Submitted April 25, 1962.

SUTTI, J., inz.; DRABANT, Jan, inz.

Position accuracy of points determined by linear distances. Geod
kart sbor 9:91-97 '63.

1. Katedra banskeho meracstva i geofyziky, Vysoka skola technicka,
Kosice.

PASTOREK, Imrich, prom. chemik; DRABEK, Jozef, inz., CSc.; TRUCHLIK, Stefan,
inz., CSc.

Synthesis and biological properties of some organophosphoric
compounds. Chem zvesti 19 no.5:413-419 '65.

1. Research Institute of Agrochemical Technology, Bratislava.
Submitted September 23, 1964.

LABORATORY ASSISTANTS

LABS. for beginning lab
assistants.

DRABAREK, A., mgr.

An opinion in the discussion on classification; notes on W. Bolinski's article "Types, kinds, qualities". Normalizacja 29 no.11/12:577-578 '61.

1. Członek Kolegium Redakcyjnego miesięcznika "Normalizacja".

(Bolinski, W.) (Standardization)

Category : ~~POLAND~~ ^{DIYADASI REGINA} /optics/ Physical optics

K-5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 2358

Author : Grabasz, Regina, Frackowiak, Danuta

Inst : Nicholas Copernicus Univ. Torun, Poland

Title : The Yield of Anti-Stokes Fluorescence of Very Viscous Dye Solutions.

Orig Pub : Acta phys. polon., 1955, 14, No 6, 447-454

Abstract : The relative yield η of the fluorescence of solution of uranine (1.6×10^{-4} g/cm³) in glycerine and of fluoresceine (approx. 1.44×10^{-4} g/g) in glass-like glucose were measured as functions of the wavelength λ of the exciting light. In the former case one observes a decrease in η with increasing λ in the anti-Stokes excitation region. In the latter case the yield remains constant up to 5760 Å. This is interpreted from the point of view of the Jablon-ski hypothesis that the anti-Stokes reduction in η is caused by the absorption of non-luminescent dimers. It is proposed that the dimers broke up into monomers in the very viscous glucose solutions, which were at a high temperature (approximately 160°) in their initial stage of preparation. Owing to the high viscosity of the solution, the dimers did not have a chance to be formed again.

Card : 1/1

DRABEK, A.

"A Contribution to the Calculation of Yield in Processing Oilseeds." p. 21 (CHEMICKE
ZVESTI, Vol. 5, No. 1/2, Jan./Feb. 1951) Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,
April 1954. Unclassified.

DRABEK, B.

Colorimetric determination of phenols.

p. 167

Vol. 5, no. 5, May 1955

VODNI HOSPODARSTVI

Praha

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS (EEAL), LC, Vol. 5, no. 3
March 1956

DRABEK, B

E. Drabek, "Reinigung von Phenolabfallwaessern aus Generatorenstationen,"
Paliva, No 11, 1955, pp. 319-22.

Short review of article is to be found in Energietechnik (Berlin), Yr 6, No 1,
January 1956, p. 45.

DRABEK, B.

Purification of phenol waste waters from generator stations. p. 319.

Vol. 35, no. 11, Nov. 1955

PALIVA

Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

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DRAHEK, B.

Efficiency of a slag body. p. 60.

Vol. 36, no. 2, Feb. 1956

PALIVA

Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

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Poland /Chemical Technology. Chemical Products
and Their Application
Water treatment. Sewage water.

H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1796

and concentration of P. With an initial concentration of P, in the sewage water, of 843-951 mg/liter, the effect of their removal reached 97-99%. On correct operation of the filter 1 ton of C can retain 300-700 g of P per 24 hours. Regeneration of the C is carried out when the filter is not in operation.

Card 2/2

DRABEK, B.

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1647

Author : Drabek B.

Title : Determination of Phenols with 4-Amino Antipyrine.

Orig Pub: Voda, 1956, 35, No 10, 329-333

Abstract: A verification has been made of the method of Emerson (Emerson E., J. Org. Chem., 1943, 8, 417) for determining phenols (I) with 4-amino antipyrine (II). Extraction of I with chloroform gives good results. Optimal pH 9.0-10.0. At pH higher than 10.0 a great difference occurs in the intensity of coloration (IC) of different I. At pH below 9.0 other substances also give a

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Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1647

coloration with II. On raising the temperature from 20° to 35-40° IC increases. The IC also depends on the amount of added II, on the excess of $K_3Fe(CN)_6$ added as oxidizer (excess increases IC), on the sequence of addition of the reagents, on the duration of storage of the solutions and on the nature of the I. The reaction with phenol is the most sensitive, that with cresols is the least sensitive. The method is applicable in the analyses of sewage water and surface water when the concentration of I does not exceed 50 mg/liter.

Card 2/2

Drabek, B

Czechoslovakia /Chemical Technology. Chemical Products H-5
and Their Application
Water treatment. Sewage water.

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1797

Author : Drabek, Hruska, Nosek, Ptacek, Solin

Title : Purification of Phenolic Sewage Water of Brown
Coal Gasification

Orig Pub: Voda, 1956, 35, No 10, 342-347

Abstract: Description of the purification in cinder filters.
On new filters a process of adsorption takes
place, on filters which have been in operation --
a process of oxidation, with O₂ of the air. The
cinders act as catalyst. Depth of the cinder bed
is of 2-2.5 cm. The sewage water is fed at a uni-
form rate onto the cinder surface from a height of
about 1.5 meters. Technical details are described.

Card 1/1

DRAPEK, BORIVOJ

Zadržování fenolu adsorpčními způsoby. Praha, 1957. 133 p. (Výzkumný ústav
vodo hospodářský. Práce a studie, řad. 94) (Phenol recovery by adsorption methods.)

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, No. 1, Jan. 1958

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DRABEK, Borivoj, inz., dr.

Water management in ore preparation at the Kank plant,
Rudne doly, national enterprise, in Pribram. Rudy 10
no.5:164-167 My '62.

1. Vyzkumny ustav vodohospodarsky, Brno.

DRABEK, Borivoj, inz., dr.

Effect of the sugar campaign on the pollution of the Morava River.
Listy cukrovar 78 no.12:274-276 D 102.

1. Vyzkumny ustav vodohospodarsky, Brno.

DRABEK, Borivoj, ing.dr.

Purification of residual phenolic waters by slag
filters. Studii prot epur apelor 4:173-217 '63.

KOMENDOVA, V., inz.; DRABEK, B., dr.

Physicochemical properties of sludges. Vodni hosp 14
no. 3:99-102 '64.

1. Research Institute of Water Resources, Brno.

KOMENDOVA, Vlasta, inz.; DRABEK, Borivoj, dr.

Electrochemical purification of cyanide waste waters. Vodni
hosp 14 no.11:4.1-4.14 '64.

1. Research Institute of Water Resources Management, Brno.

Drabek, F.

The quality of the manuscript is poor.

DRAPEK, F.: ZIZALA, J.

DRAPEK, F.,: ZIZALA, J. Discussion on electric-spark hardening of tool edges. p. 385.

Vol. 2, No. 9, Sept. 1954.

STROJIRENSKA VYROBA

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

DRABEK, F. - Vol. 3, no. 2, Feb. 1955. STROJIRENSKA VYROBA

Using carbide tools for drilling. p. 47.

80: Monthly list of East European Accessions, (REAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

DRABEK, F.

Electrohydraulics in machine tools. p. 8.
STROJIRENSKA VYROBA, Prague, Vol. 4, no. 1, Jan. 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

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DRAHEK, Frantisek, inz.

Device for automatic quick withdrawal of cemented carbide tools in fast thread cutting on a turret lathe. Stroj vyr
ll no,5:263 My '63.

1. Tovarny na obrabeci stroje Kurim, n.p., Kurim.

B. H. K. E., Ltd.; DRABEK, E., Ltd.

Retracting ball bolts and nuts. Patent nr. 51639.
636 ag '64.

1. Enterprise Branch of the Czechoslovak Scientific and Technological
Society, Tovarny na obrobek stroje, Praha.

DRABEK, J.

New forms in management and organization of the rationalizers' movement.
p. 301.

UHLI. (Ministerstvo paliv) Praha, Czechoslovakia. Vol. 1, no. 9,
September 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

Drabek, J.; Tichy, V.

Preparation and insecticidal effect of some esters of thiophosphoric and dithiophosphoric acid. p. 290.

Vol. 9, no. 5, May 1955.

CHEMICKE ZVESTI

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

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DRABEK, J.

CZECHOSLOVAKIA / Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61027.

Author : S. Truchlik, J. Masek, J. Drabek.

Inst : -

Title : Reaction of N-Chlorosuccinimide with O,O-Dialkyl-dithiophosphoric Acids.

Orig Pub: Chem. zvesti, 1957, 11, No 10, 579-582.

Abstract: Following $[(RO)_2P(S)S]_2$ -s were synthesized by the interaction of N-chlorosuccinimides with 2 equ. of $(RO)_2PSSH$ (I) in $CHCl_3$ (at 20° , 30 min of stirring, cooling to 16° , filtering, washing with soda solution, distillation in vacuo or crystallization from

Card 1/2

CZECHOSLOVAKIA / Organic Chemistry. General and
Theoretical Problems in Organic Chemistry. G

Abs Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50216
Author : Furdik, M.; Batora, V.; Drabek, J.; Jaras, A.;
Masek, J.; Truchlik, S.
Inst : -
Title : Project for the Nomenclature of Phosphore-
Organic Compounds.
Orig Pub : Chem. Zvesti, 1957, 11, #10, 626-632
Abstract : No abstract.

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73993.

Author : Jozef Drabek.

Inst : ~~XXXXXXXXXXXX~~

Title : Reactions of Cis-3,6-Endomethylene-1,2,3,6-Tetrahydrophthalimide with Formaldehyde and Amines.

Orig Pub: Chem. zvesti, 1958, 12, No 1, 29-31.

Abstract: N-oxymethyl-I (III) (I is cis-3,6-endomethylene-1,2,3,6-tetrahydrophthalimide, II is its acid) was obtained at the research for new insecticides by the action of CH_3O on I. Diethylamino-I (VII), (piperidyl-1)-I (VIII) and (morpholinyl-4)-I (IX) are synthesized by the action of $(\text{C}_2\text{H}_5)_2\text{NH}$ (IV), $\text{C}_2\text{H}_5\text{NH}$ (V) and $\text{OC}_4\text{H}_7\text{NH}$ (VI) on III. 40 ml of 25%-ual NH_4OH is added to 0.2 mole of II (melt. p. 190°) in

Card : 1/3

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73993.

30 ml of water in 4 stages, the mixture is gradually heated to 170°, and seasoned 10 min. at 170 to 180°, yield 83.7%, melt. p. 187° (from water). 32.3 g of I and 45 g of 40%-ual CH₂O are heated at about 100° until the solution is completed, 50 ml of water is added, the mixture is cooled to 15° and III separates, yield 84.9%, melt. p. 143 to 145° (from acetone). 3.7 g of IV is added to 9.6 g of III in 60 ml of water and 20 ml of alcohol, the mixture is heated 20 min. at about 100°, diluted with 100 ml of water, and the separated oil is extracted with ether, and 6 g of VII is separated from the extract. VII is separated as a colorless liquid, which decomposes at the attempt to distill

Card : 2/3

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73993.

it under the pressure of 1 mm, or to prepare its hydrochloride by the action of concentrated HCl. 4.25 g of V is added to 9.6 g of III in 30 ml of alcohol and 20 ml of water, the mixture is heated 30 min. at about 100°, the solvent is eliminated in vacuo, the yield of VIII is 82%, melt. p. 73 to 75° (from petroleum ether). IX is synthesized of III and VI in a similar way as VII, yield 77%, melt. p. 134 to 136° (from acetone). The insecticide activity (IA) (tried on houseflies) of III, VII, VIII and IX toxicity index (TI) 192 to 220° is stronger than the IA of pyrethrum, but weaker than that of N-2-ethylhexyl-cis-3,6-endomethylene-1,2,3,6-tetrahydrophthalimide (TI 352).

Card : 3/3

FURDIK, M.; SUTORIS, V.; DRABEK, J.

Synergists of pyrethrum. II. Acta r nat Univ Com 3 no.2/3:99-107
'59. (EEAI 10:5)

(Synergists) (Pyrethrum)

FURDIK, M.; DRABEK, J.

Synergists of pyrethrum. III. Acta r nat Univ Com 3 no.2/3:
109-115 '59. (EEAI 10:5)
(Synergists) (Pyrethrum)

DRAHEK, Jozef, inz., CSc.; SKROBAL, Miroslav, PhDr.

Synthesis of arylthio-s-triazines. Chem zvesti 17 no.7:482-487 '63.

1. Vyskumny ustav agrochemickej technologie, Bratislava - Predmestie.

DRABEK, Josef, ins.

Exhibition of Technical Development of the Ostrava-Karvina
Coal Basin 1963. Uhlí 5 no.8:292 Ag '63.

DRABEK, Josef, dr.

A pump for solid fast-setting slurries. Unli 6 no.6:215 Je '64.

L 00172-66 EWT(1)/EWA(j)/EPF(c)/MFP(j)/EWA(b)-2 RO/RN
ACCESSION NR: AP5025531

CZ/0043/65/000/005/0413/0419

AUTHOR: Pastorek, I. (Graduate chemist); Drabek, J. (Drabek, Y.) (Engineer, Candidate of sciences) Truchlik, S. (Trukhlik, Sh.) (Engineer, Candidate of sciences)

TITLE: Synthesis and biological properties of some organophosphoric compounds

SOURCE: Chemické zvesti, no. 5, 1965, 413-419

TOPIC TAGS: organic nitrogen compound, organic sulfur compound, organic phosphorus compound, insecticide

ABSTRACT: Several compounds that are similar to O,O-dimethyl-O-(3-methyl-4-nitrophenyl)thiophosphate were prepared. Such substances may be present as technical impurities in an insecticide, or may be formed during storage of an insecticide, or by metabolism in a living organism. The only compound that influences the insecticide effect of the mixtures is dimethyl-(3-methyl-4-nitrophenyl)phosphate. Similar properties to those of this product were also shown by O-methyl-O-ethyl-O-(3-methyl-4-nitrophenyl)thiophosphate. Orig. art. has: 6 formulas and 2 tables.

Card 1/2

L 00172-56

ACCESSION NR: AP5025531

ASSOCIATION: Vyskumny Ustav Agrochemickej Technologie, Bratislava (Research
Institute for Agrochemical Technology) *44 65*

SUBMITTED: 20Apr64

ENCL: 00

SUB CODE: GC, LS

NR REF SOV: 000

OTHER: 012

JPRS

SW
Card 2/2

ACC NR: AT6029327 (A) SOURCE CODE: CZ/0043/66/000/009/0650/0660

AUTHOR: Furdik, Mikulas (Professor; Engineer; Bratislava); Drabek, Jozef --
Drabek, Y. (Engineer; Candidate of sciences; Bratislava-Predmestie); Ondrejka,
Jan--Ondreyka, Ya. (Engineer; Bratislava-Predmestie); Locigova, Irena--
Lotsigova, I. (Bratislava)

ORG: [Furdik] Chair of Organic Chemistry and Biochemistry Department of
Natural History; Komensky University, Bratislava (Katedra organickej chemie a
biochemie Prirodovedeckej fakulty Univerzity Komenskeho); [Drabek; Ondrejka]
Research Institute of Agricultural Chemistry, Bratislava-Predmestie (Vyskumny
ustav agrochemickej technologie); [Locigova] Department of Chemistry SVST,
Bratislava (Chemicka fakulta SVST)

TITLE: Contribution to research of the insecticidal effect of O,O-dimethyl
O-phenyl thiophosphate, respectively O,O-diethyl O-phenyl thiophosphates and
phenyl N-methylcarbamate derivatives, especially the role of substituents and their
position in the benzene ring

SOURCE: Chemicke zvesti, no. 9, 1966, 650-660

TOPIC TAGS: insecticide, phosphate ester, carbamate ester

Card 1/2

ACC NR: AP6029327

ABSTRACT: Several new O,O-dimethyl O-phenyl thiophosphate, O,O-diethyl O-phenyl thiophosphate and phenyl N-methylcarbamate derivatives are described. Their insecticidal effect was tested as a function of the substituents in the benzene ring, especially their Hammett constant. It was determined that thiophosphates are more easily hydrolyzed and thus have a higher insecticidal effect when the substituents have a higher Hammett constant value, while in the case of phenyl N-methylcarbamate a lower insecticidal effectiveness is observed. This confirms the theory that in phenyl N-methylcarbamate—in contrast to the organophosphates—the insecticidal effect is determined by the structure of the entire un-hydrolyzed molecule of the final material. This explains the seeming discrepancy in the case of m-acethylamino derivative of phenyl N-methylcarbamate. The authors thank Eng. J. Krsek of the analytical section of the Research Institute for Agricultural Chemistry in Bratislava for the analyses. Orig. art. has: 4 tables and 3 formulas. [Based on authors' abstract] [KS] [WA-50]

SUB CODE: 07, 06/SUBM DATE: 10Feb66/ORIG REF: 003/SOV REF: 001/
OTH REF: 017/

Card 2/2

CZECHOSLOVAKIA

CZ/0043/66/000/009/0650/0660

AUTHOR: Furdik, Mikulas (Professor; Engineer; Bratislava); Drabek, Jozef --
Drabek, Y. (Engineer; Candidate of sciences; Bratislava-Predmestie); Ondrejka,
Jan--Ondrejka, Ya. (Engineer; Bratislava-Predmestie); Locigova, Irena--
Lotsigova, I. (Bratislava)

ORG: [Furdik] Chair of Organic Chemistry and Biochemistry Department of
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biochemie Prirodovedeckej fakulty Univerzity Komenskeho); [Drabek; Ondrejka]
Research Institute of Agricultural Chemistry, Bratislava-Predmestie (Vyskumny
ustav agrochemickej technologie); [Locigova] Department of Chemistry SVST,
Bratislava (Chemicka fakulta SVST)

TITLE: Contribution to research on the insecticidal effect of O, O-dimethyl
O-phenyl thiophosphate, respectively O, O-diethyl O-phenyl thiophosphates and
phenyl N-methylcarbamate derivatives, especially the role of substituents and their
position in the benzene ring

SOURCE: Chemicke zvesti, no. 9, 1966, 650-660

TOPIC TAGS: insecticide, phosphate ester, carbamate ester
1/2

HRIVNAK, Jan; VESELA, Zlatica; SOHLER, Ervin; DRASEK, Jozef

Study on reesterification of ethyl acetacetate by methanol with the aid of gas chromatography. Chem prum 15 no.1:7-9 Ja '65.

1. Research Institute of Agricultural Chemistry Technology, Bratislava.

DRABEK, K.

Geometrie v technice a umeni (Geometry in Technology and Art); a book review.

p. 237 (CASOPIS PRO PESTOVANI MATEMATIKY) Vol. 82, no. 2, May 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

DRABEK, Karel

"Spherical trigonometry and its application" by Wilhelm Schmid and Werner Borsdorf. Reviewed by Karel Drabek. Pokroky mat fyz astr 7 no.4:249 '62.

DRABEK, Karel (Praha)

"Descriptive and projective geometry" by M.C. Myrav'yev.
Reviewed by Karel Drabek. Cas pro pes mat 87 no.1:105-106
'62.

DRABEK, Karel; (Praha)

"Vectors, tensors and spinors" by Siegfried Kastner.
Reviewed by Karel Drabek. Cas pro pes mat 87 no.2:240-241
'62.

DRABEK, Karel

"Descriptive geometry" by Vaclav Medek. Reviewed by Karel Drabek.
Pokroky mat fyz astr 8 no.3:176-177 '63.

DRABEK, Karel

"Technical curves" by Jiri Dvorak, Alois Svec. Reviewed by
Karel Drabek. Pokroky mat fyz astr 8 no.4:249 '63.

DRABEK, Karel (Praha)

"Geometric transformations" by P.S. Modenov, A.S. Parkhomenko.
Reviewed by Karel Drabek. Cas pro pest mat 88 no.2:251-252 '63.

DRABEK, Karel (Praha)

"Descriptive geometry I" by Wolfgang Haack. Reviewed by
Karel Drabek. Cas pro post mat 88 no.2:252-253 '63.

PRAVANEK, Ladislav, ins.; DRABEK, Oldrich, ins.

Relay controller RRI. Automatizace 5 no.3:79 Mr '62.

1. Vyzkumny a vyvojovy zavod, narodni podnik Tesla, Pardubice, zavod Opocinek.

KLABUSAY, L.; HERZIG, P.; DRABEK, P.

Successful resuscitation from clinical death due to acute heart infarction by indirect heart massage. Vnitřní lek. 11 no.6: 578-582 Je'65.

1. I. vnitřní oddělení KNsP v Ostravě-Zabřehu (prednosta: MUDr. Jiri Veleminsky, CSc.) a Neurologické oddělení v Ostravě-Zabřehu (prednosta: MUDr. Vladimír Bartoušek).

FISER, Z.; DRABEK, P.

Compression of the cauda caused by prolapse of the sequestrum of the intervertebral disk. Rozhl. chir. 44 no.9:620-625 S '65.

1. Ordinariat neurochirurgie (ved. lekar MUDr. Z. Fiser), chirurgicke oddeleni (vedouci doc. dr. K. Typovsky, CSc.) a neurologicke oddeleni (vedouci MUDr. V. Bartousek) Krajske nemocnice s poliklinikou v Ostrave.

DRABEK, S.

DRABEK, S.

"Measuring a three-cutter screw-thread cutter by means of a universal microscope."
p. 135. (MECHANIK Vol. 27, No. 4, Apr. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4.
April 1955. Uncl.

DRABEK, V.

DRABEK, V. The pneumatic conveying of loose materials in founding.
p. 344, Vol. 4, no. 11, Nov. 1956
SLEVARENSTVI
Praha, Czechoslovakia

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

89149

Z/009/61/000/004/001/005
E112/E253

H.1266

AUTHOR: Drábek, Vladimír

TITLE: Analysis of Nitrogen Oxides in the Explosion Products of Explosives

PERIODICAL: Chemický průmysl, 1961, No. 4, pp. 192-193

TEXT: The author has compared two quantitative methods for the analysis of nitrogen oxides (NO and NO₂) in the gaseous decomposition products of explosives. Method A is based on the absorption of the decomposition products in 0,2N caustic potash, containing a few drops of H₂O₂. Absorption is followed by H₂O₂-oxidation under acidic conditions to convert all nitrites into nitrates, which are then estimated colorometrically as yellow complex with phenol-disulphonic acid, the preparation of which is described. Method B is equally based on the absorption of the explosive decomposition products in KOH, however, without the use of oxidants. The reaction proceeds according to equation: $2 \text{NO}_2 + 2 \text{KOH} = \text{KNO}_2 + \text{KNO}_3 + \text{H}_2\text{O}$ and N₂ is estimated as nitrate. (Diazotizing sulphanilic acid and coupling with α -naphthylamine.) Details of sampling are given. Experimental procedure is described.

Card 1/2

89149
Z/009/61/000/004/001/005
E112/E253

Analysis of Nitrogen Oxides in the Explosion Products of Explosives

Analyses by both methods of samples containing from 0.5 to 3% NO₂ showed only insignificant differences. Results of analyses are tabulated. It is considered that method A is more reliable, though slightly more cumbersome. Method B will tend to give lower values for N₂ because some nitrogen oxides may escape during absorption as result of the absence of H₂O₂ in the absorbing fluids. There are 1 table and 3 non-Czech references.

ASSOCIATION: Vědecko-výzkumný uhelný ústav, Ostrava-Radvanice
(Institute for Coal Research, Ostrava-Radvanice)

SUBMITTED: November 28, 1959

Card 2/2

DRABENKO, I.F., inzh.; ZELIKOVSKIY, Z.I., kand. tekhn. nauk

High-voltage instrument resistors from vitrified manganin
microwire. Elektrotehnika 34 no.11:62-63 N '63.

(MIRA 17:2)

DARKOV, G.V.. Prinimeli uchastiye: GORCHEV, I.I.; DRNYSIN, G.I.; DNABENOK,
P.D.; LUK'YANOVA, Ye.D.; PASEKOVA, V.D.; TYATOVA, G.S.; FILIPPOVA,
A.N.. IL'VOVSKIY, S.Z., otv.red.; ROSHCHINA, L., red.; TELEGINA,
T., tekhn.red.

[Local budgets of the U.S.S.R.; statistical collection] Mestnye
biudzhety SSSR; statisticheskii sbornik. Moskva, Gosfinizdat,
1960. 326 p. (MIRA 13:7)

1. Russia (1923- U.S.S.R.) Byudzhetnoye upravleniye.
(Budget--Statistics)

DRABENT R.

POLAND/Physical Chemistry. Molecule. Chemical Bond.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 72970.

Author : R. Drabent.

Inst : Academy of Sciences of Poland.

Title : On the Anti-Stokes Fluorescence Yield in Glucose and
Collodium Rigid Solutions.

Orig Pub: Bull. Acad. polon. sci., 1131-1136, XCIII.

Abstract: The dependence of the fluorescence relative energy
yield of rhodamine B in solid solutions of glucose
and collodium on the wave length of the exciting
light in the anti-Stokes spectrum range was studied.
The measurements were carried out by Jablonski
method (Jablinski A., Acta phys. polon., 1933, 2,
97). A decline of the yield starting approximately
free from 6,000 A was established in both cases, but

Card : 1/2